

MINING, BUSINESS AND STOCKS

SCHUYLER HAGUE'S CONCENTRATOR

Salt Lake Man Invents an Ore Dressing Device Which May Revolutionize Things.

SUCCESSFUL EXPERIMENTS

Conducted on Bingham Copper Bearing Porphyries—Two Years Spent in Making Tests.

Schuyler L. Hague, the well known Salt Lake newspaper writer, is the inventor of a new concentrator which bids fair to revolutionize things in the way of the concentration of ores, and friends who have been taken into his confidence while he has been quietly making demonstrations with his machine and correcting the imperfections as they presented themselves, confidently believe he is going to make a fortune out of it.

For several weeks Mr. Hague has been conducting a series of experiments on the Bingham porphyries and the results achieved there are said to have been in the nature of a revelation to the inventor, the saving of values in the ore as far exceeding all expectations.

The Hague concentrator is a simple affair, there is nothing complex about it, little in the mechanism of the apparatus to get out of order; everything works automatically, and does not require the services of a large force of men to operate it. Hence, Mr. Hague contends that the cost of treatment being reduced to a minimum, almost to a mere nothing, which is the strongest possible argument in his favor.

It may be interesting to note that Mr. Hague conceived the idea of becoming the inventor of an ore dressing device. In his many trips through the mining camps of the west he took note that in the mechanism of the mill dumps it is frequently the case that rich concentrate is found along its course wherever the little particles of metal come in contact with the banks of the stream as it winds its way down the canyon. This was a happy thought to Mr. Hague, and it occurred to him that this principle might be successfully applied in the concentration of ore and perhaps solve some of the perplexing problems that eminent metallurgists have had to contend with in the handling of low grade ores. Accordingly, he set to work and while his initial tests did not demonstrate that the plan was a success, they were encouraging, and he worked on. Each trial proved more encouraging than the previous one until now the experimental plant has, as stated, more than come up to expectations. It only remains for Mr. Hague to show to the world what he can do with ore in commercial quantities, and his success will be complete. It is believed he will be able to show this, too, before very long.

The machine has been tried out both in the dry and in the wet, and of one thing the concentrator consists of a long trough with a series of curves, ridges, etc., such as any rivulet would have, and owing to its peculiar shape has been dubbed as "Hague's snake." The ore, after being crushed to a fine mesh, is dropped onto the device, which is adjusted in a slanting position, and flows over it gravely. The movement of the silica as it goes down the trough is rapid and passes over the end into the tailing pit, while the heavier particles of metal, which travel much slower, cling to the bottom of the apparatus, striking the ridges and curves and finally depositing in a system of holes into receptacles provided for it in the form of concentrate.

Mr. Hague has secured patents for his invention in this as well as several foreign countries.

He has demonstrated that he can handle gold, silver, lead and copper ore, and has been successful in two years in conducting experiments.

WEEK ON EXCHANGE

Total Sales Aggregated Less Than \$50,000—Today's Transactions.

The week closed with sales on the mining exchange aggregating \$45,529.93, the amount paid for 16,000 shares of stocks sold. The market has been active and lower. May Day and New York furnished the principal transactions of the week, both have fluctuated, but ended at about where they started out. The daily stocks of Park City have not been in demand, but increased interest is being taken again in Wabash, which has some sales in its credit.

Yankee Con. sold one day up to 40 cents on the strength of the report that the directors would not meet either divided, but this was done by officials, with the result the stocks declined again. Mammoth is higher than it was a week ago. The closing of a three-year contract for the output of the mine with the United States Smelting company has had a good effect.

The closing quotations and sales to day were:

TODAY'S QUOTATIONS.

Stocks.	Bid.	Asked.
Albion	20	20
Alfred	20	20
Alma	14 1/2	15 1/2
Bullion	3 25	3 50
Carls	20 1/2	21
Crescent	20	20
Con. Merrell	4 1/2	5
Daily	1 1/2	2 1/2
Daily-West	12 50	13 75
E. & B. Bell	8 1/2	9
Grand Central	2 1/2	3
Gleason	14	14
Horn Silver	1 50	2 10
Little Bell	4	4
Lower-Mammoth	1 1/2	1 50
Mammoth	1 1/2	1 50
May Day	15	15 1/2
Petro	2 50	3 00
Petro King	57 50	58 00
Sacramento	10	10 1/2
Silver Shield	32	32 1/2
Star Con.	90	90 1/2
South Swansea	65	67 1/2
Sunshine	20	20
U. S. Mining Co.	20 1/2	20 3/4
Utah	2 1/2	3 1/2
Utah San Con.	3 1/2	4 1/2
Victoria	2 1/2	3 1/2
Wabash	8 1/2	9 1/2
Wabash Labor	1 1/2	1 50
Wabash Tunnel	1 1/2	1 50
Century	65	67 1/2
Ingot	9 1/2	10 1/2
Joe Rogers	9 1/2	10 1/2
Little Chief	9 1/2	10 1/2
Martha Washington	9 1/2	10 1/2
New York	5 1/2	5 3/4
Petro	14 1/2	15 1/2
Victor Con.	14 1/2	15 1/2
Wabash	1 50	2 40

Today's Metal Quotations:

Local settling prices as reported by the American Smelting and Refining Company:

SILVER, 57 3/4

COPPER, CASTING, 14 1/4

" ELECTRO, 14 1/8

LEAD, 33.50@34.50

New York Quotations:

LEAD, quiet, 4.50@4.60

COPPER, quiet, 15@15 1/4

NEVADA STOCKS.

Goldfield Bonanza, 100, 100

Jim Butler Tonopah, 72, 80

Montana Tonopah, 2 1/2, 3 1/2

MacNamara, 12 1/2, 14 1/2

Tonopah Belmont, 1 1/2, 1 2/2

Tonopah Extension, 4 50, 5 00

Tonopah Midway, 1 50, 1 50

Tonopah Belmont, 1 50, 1 50

REGULAR CALL SALES.

Ajax, 1,000 at 15.

May Day, 1,500 at 13; 1,000 at 13, seller

Star Con., 1,000 at 20.

Yankee Con., 200 at 24 1/2; 1,000 at 25; 500 at 25 1/2.

RECAPITULATION.

Ajax, 3,000 at 17.

Carls, 1,500 at 21; 200 at 20 1/2.

May Day, 1,200 at 13.

Star Con., 1,000 at 20.

Yankee, 200 at 24 1/2.

OPEN BOARD SALES.

Regular call, 6,400 \$1,858.88

Open board, 7,600 1,659.00

Today's totals, 14,000 \$3,497.88

Week's totals, 235,248 \$5,529.93

A. S. CAMPBELL.

Stock Broker, 214 D. F. Walker Block.

GREAT BOSTON CON.

Ore body in Peabody Tunnel Developing into High Proportions.

The body of high grade copper ore discovered in the Peabody tunnel at the Boston Consolidated, a couple of weeks ago, says the Bingham Bulletin, is assuming large proportions as development progresses, and is now promising to become one of the most notable ore bodies of the camp.

It has been opened for over 70 feet along the strike and 25 feet in depth, while the width is unknown, and the entire body averages between 8 and 9 per cent copper, with considerable of it running as high as 18 per cent.

The results of this strike will be shown in increased values of the ore shipments. Last month the average copper was 2.5 per cent, while this month the average will considerably exceed 4 per cent. Shipments have been reduced to 150 tons daily, owing to an accident which has temporarily crippled the smelter.

On the porphyry side of the property developments are to be prosecuted upon the body of the Peabody tunnel, which extends into a porphyry for 3,500 feet on the south side of the property, is to be drained out at once, and cross-cut out in both directions. The Peabody tunnel now in 600 feet, at which point the rock contains 10 to 2 per cent copper.

It is understood to be practically settled that the railroad connecting the mine with the big mill at Pelican Point will be constructed by the Boston Consolidated company. By running a tunnel through the hill at the West Mountain place, a 2 per cent grade can be secured all the way down, without a switchback. Work on the mill plant is progressing and construction will be completed within a short time.

Within the next two months General Manager and Mine Manager Cates will leave for the iron fields of Minnesota for the purpose of studying the operation of the steam shovel in handling the ore which will be utilized in the handling of the Boston Consolidated porphyry.

The Myrtle Shrine has entered the race of the regular shippers, and the ore that is being sent to market gives returns that are a surprise to Manager Morris. The settlement assay on the Myrtle Shrine, which was made on June 1, showed 11.7 per cent gold, \$204 silver, 1.94 per cent copper and 25.53 per cent iron, and the 25-ton lot netted \$28,277 per ton. Mr. Morris says that the value of the shipment of this ore is available for shipment and another car will be forwarded this week. It is the intention to limit the shipments for the present to about three cars per month, as this will be sufficient to meet all development expenses.

TINTIC ORE SHIPMENTS.

The Total Output of Tintic Aggregated 145 Car Loads.

Enreka, Utah, June 2.—The following properties in Tintic district sent 134 cars of ore to the smelters the past week: Centennial Enreka, 20; Gemini, 4; Bullion, 2; Ajax, 2; Carls, 4; Grand Central, 1; Mammoth, 8; Victor, 1; Eagle and Blue Bell, 12; Yankee Con., 5; Uncle Sam Con., 4; Swansea, 1.

ASSAYER AT HELENA.

Receipts for May Show a Marked Increase Compared to a Year Ago.

Butte, Mont., June 2.—A special to the Miner from Helena says: The receipts of the United States assay office in this city for the month ending May 31 shows the splendid increase of more than \$25,500, as compared with the corresponding month of last year, the exact figures being \$185,130 and \$159,587.75 respectively.

The monthly report of the assayer in charge of the office shows that the receipts were subdivided as follows: Montana, \$171,881.01; Idaho, \$881.05; Washington, \$295.35; Nevada, \$7,103; British Columbia, \$1,891.20.

Suit Against Bingham Copper.

James T. Turner has filed suit in the district court against the Bingham Copper & Gold Mining company to recover the total sum of \$2,955 as damages for injuries to his stock, crops and farm, alleged to have been caused by the smoke from defendant's smelter.

EXCURSION TO OGDEN

Sunday, June 4th, via Oregon Short Line, \$1.00 Round trip. Leave 10 a. m., 10:30 a. m., or 2:40 p. m.

PIKES DIGGINGS HAVING A BOOM

Los Angeles Capitalists Express Surprise that District Has Been Inactive in Past.

CAPT. KILBOURNE AND OTHERS.

Back Their Faith in Region by Putting Up Cash—The Amethyst-Wild Irish Option.

Special Correspondence.

Pay, June 1.—As predicted by the "News" correspondent recently, Pikes Diggings is to have a boom. The camp has been invaded by the bustling Angelenos and some of the old timers are richer by some thousands of dollars by their coming. The Francis and Hollinger boys of Eagle valley have parted with their Amethyst-Wild Irish property, and have stowed away in their well filled stockpiles several thousand dollars as a first payment. This will be followed by other payments of \$20,000 and \$50,000.

Capt. R. Kilbourne of Los Angeles and associates are the purchasers, and they propose to go to work with a will and get the property into the dividend paying ranks as soon as possible. Capt. Kilbourne has gone to Los Angeles to complete arrangements at that end for the operation of the property, and Geo. A. Paxman, one of the party, left yesterday for Salt Lake to get supplies started to camp.

The California Utah Gold Mining & Milling company has been organized, to take over the property and will at once commence active work. The old Amethyst-Wild Irish is now 120 feet deep will be sunk to the 200 foot level, and cross-cut run from that point to the ledge. A double compartment working shaft will be sunk on the Wild Irish claim several hundred feet to the south, and connections made between the two shafts. Lumber will be ordered at once, and the erection of necessary buildings commenced. It is the intention to get the mine in shape for the erection of a suitable mill before the summer starts.

Capt. Kilbourne and party have been hunting for such a property since October last, and have kept two outfits, thoroughly equipped, constantly in the field. They have examined everything from Goldfield to Death Valley and from the California line to Pike Diggings, and have assayed rock from the mines and prospects of every camp in the boom country, and finished up by coming to Stetson and Pike Diggings. Here they were astonished at the wonderful showings and became enthusiastic at once.

They began to sample the different properties and were highly pleased with the results. So satisfied were they with the Amethyst-Wild Irish that they made the owners an offer which with some modification was accepted, and they are now in possession of the mine. In all their travels over southern Nevada, they declare, they have seen nothing so rich as this property.

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authorized to ratify same. This as well as some other points which had been in dispute is to be a matter of misunderstanding, which investigation and explanation soon set right.

President Clever and Directors J. M. Burck and John Stocker departed last night on an inspection trip to the company's property, during which they will map out the campaign for the future. Secretary Zehring will remain an office in this city. Mr. Zehring is a newspaper man and for a long time was connected with the Mining World of Chicago as traveling representative.

MINES OF ALTA.

South Columbus—Encounters Another Treasure Containing High Grade Ore.

Postmaster Stillwell of Alta is down again and brings most encouraging reports from that camp, where unprecedented activity is being enjoyed so far as the operation of the mines and an extensive scale is concerned. The Columbus Con. and the Continental Alta mines are scheduled for a heavy output during the month of June. The latter, which is now cutting other mines, is expected to be a heavy output during the month of June.

Development at the South Columbus and Albion is progressing favorably. In the South Columbus another treasure has been cut, about an inch and a half in diameter, which shows values of 125 ounces in silver, 25 per cent lead, 7 per cent copper, in addition to gold values. It was expected that this treasure would show greater value than what it does, yet the stockholders have every reason to feel encouraged. There seems to be some difference of opinion as to the best method to proceed with the development of the property. Some of the directors, but a minority, contend that the best plan would be to drift on the surface to the contact, about 200 feet away, where it is probable, a large body of ore would be encountered. A majority of the board favors pushing the tunnel ahead to the contact and then cutting other mines.

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